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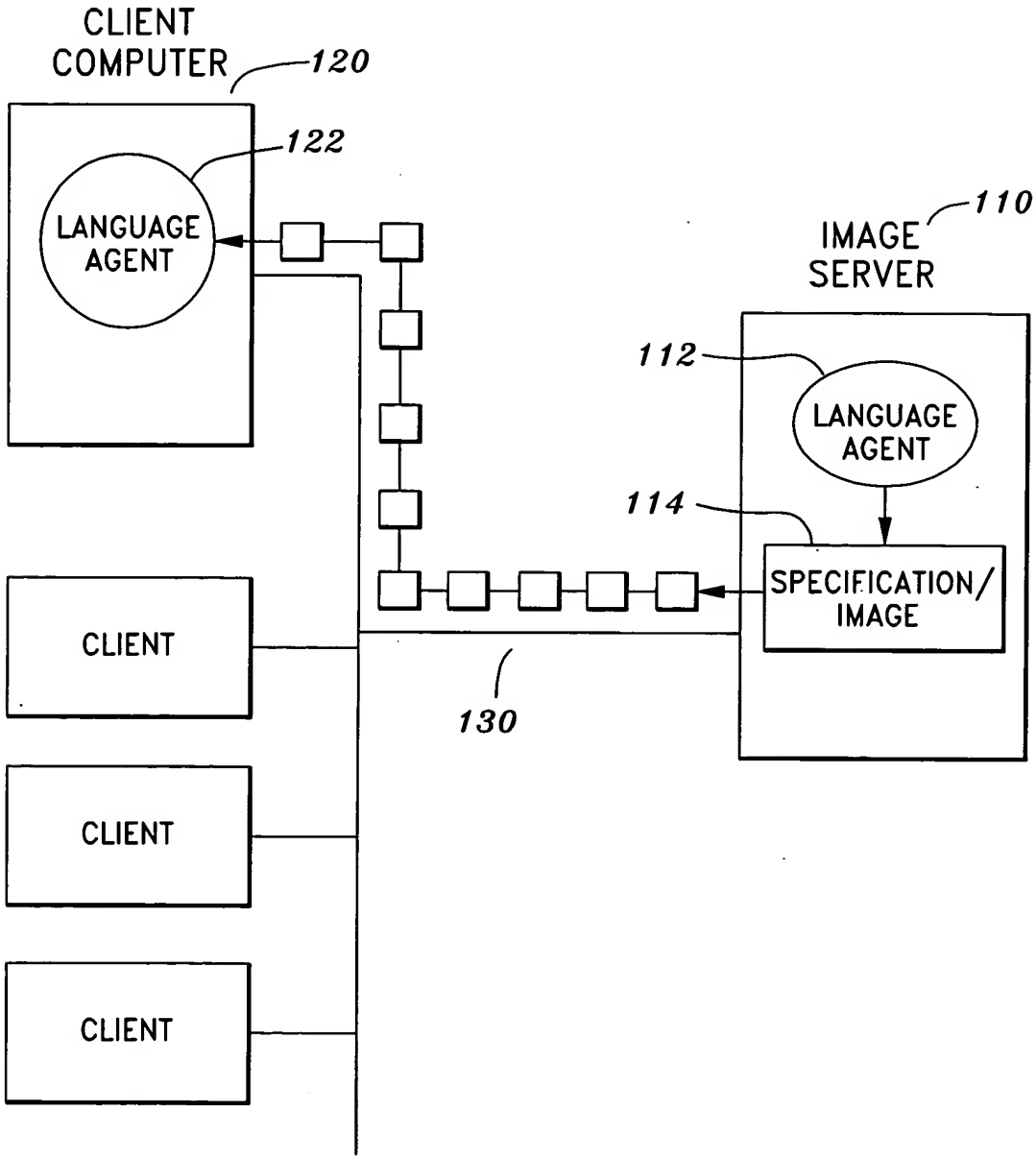


FIG. 1

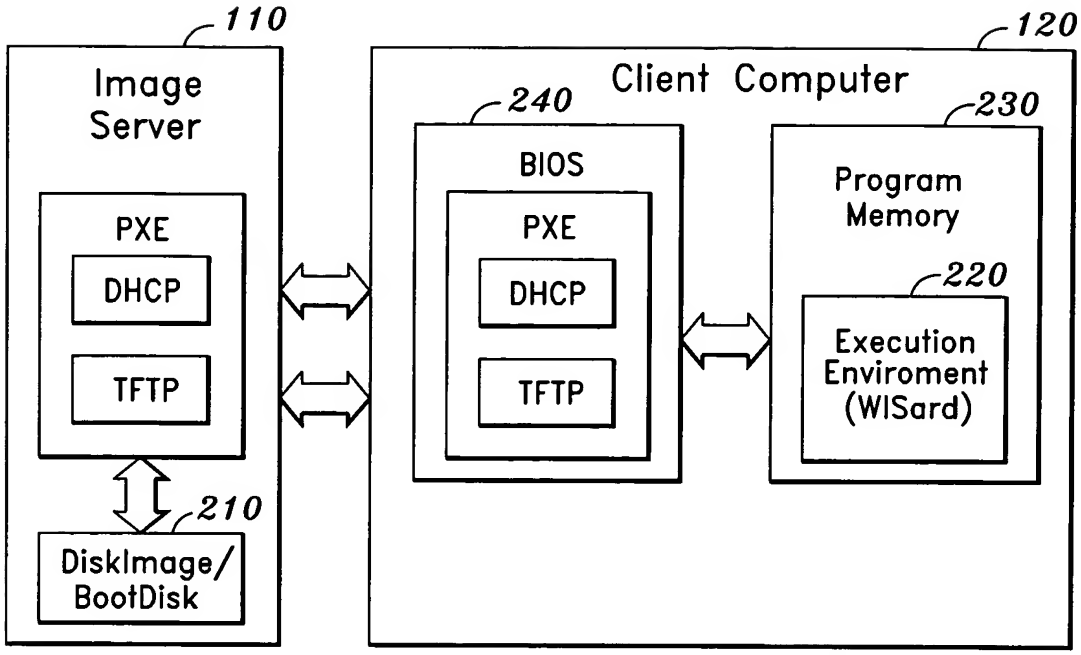

110
Image Server
PXE
DHCP
TFTP
210
DiskImage/ BootDisk
120
Client Computer
240
BIOS
PXE
DHCP
TFTP
230
Program Memory
220
Execution Enviroment (WISard)

FIG. 2

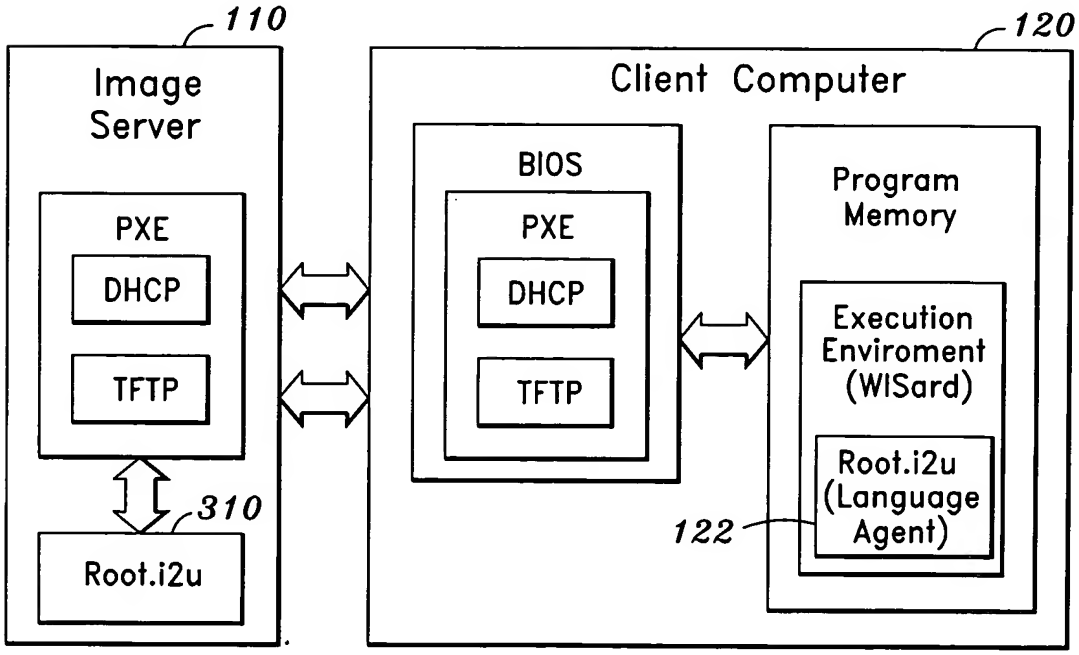

110
Image Server
PXE
DHCP
TFTP
310
Root.i2u
120
Client Computer
BIOS
PXE
DHCP
TFTP
Program Memory
Execution Enviroment (WISard)
Root.i2u (Language Agent)
122

FIG. 3

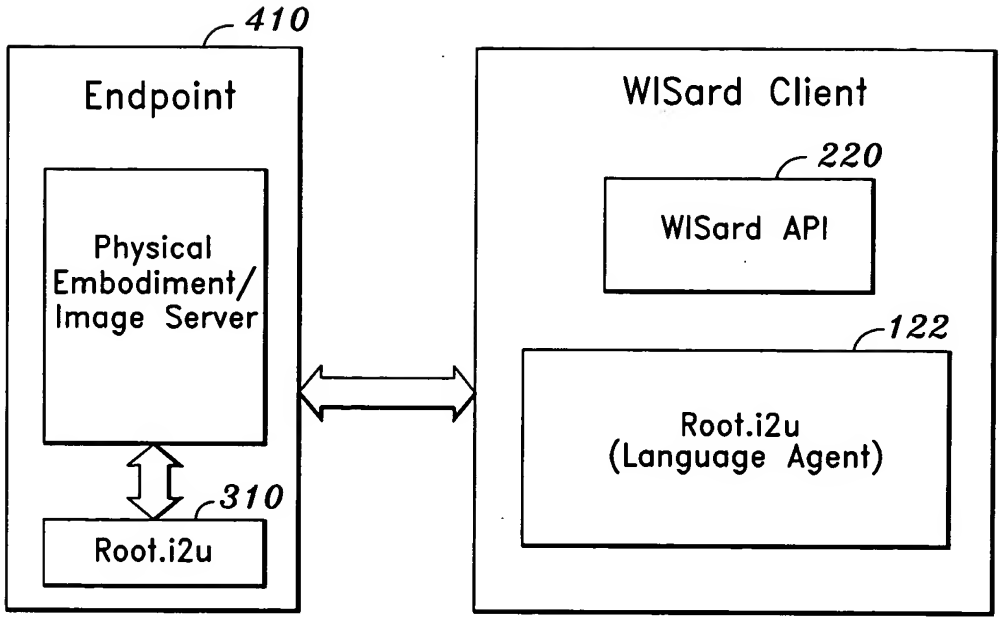

410
Endpoint
Physical Embodiment/ Image Server
310
Root.i2u
WISard Client
220
WISard API
122
Root.i2u (Language Agent)

FIG. 4

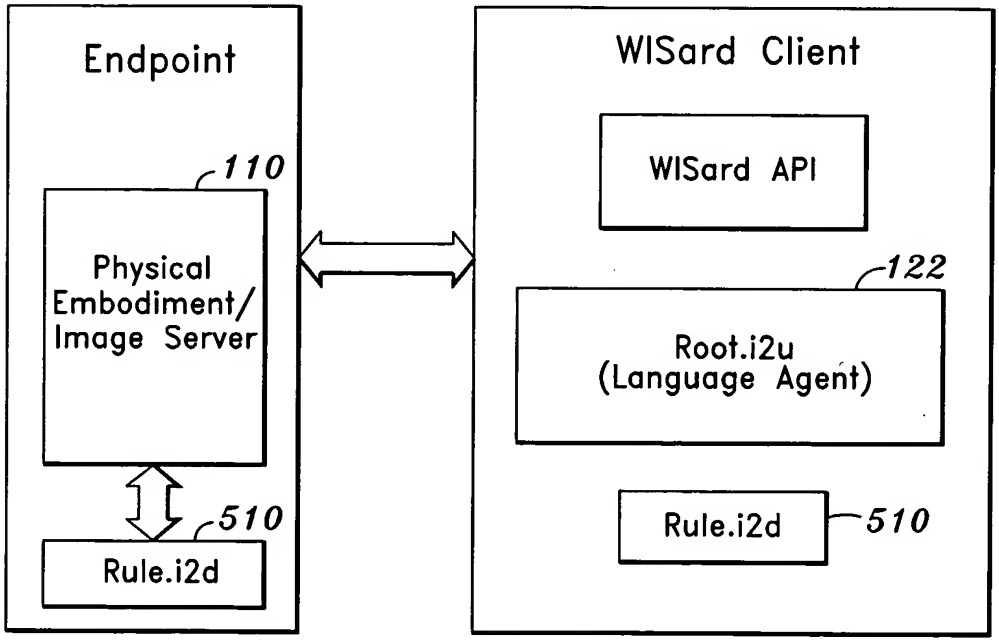

Endpoint
110
Physical Embodiment/ Image Server
510
Rule.i2d
WISard Client
WISard API
122
Root.i2u (Language Agent)
Rule.i2d
510

FIG. 5

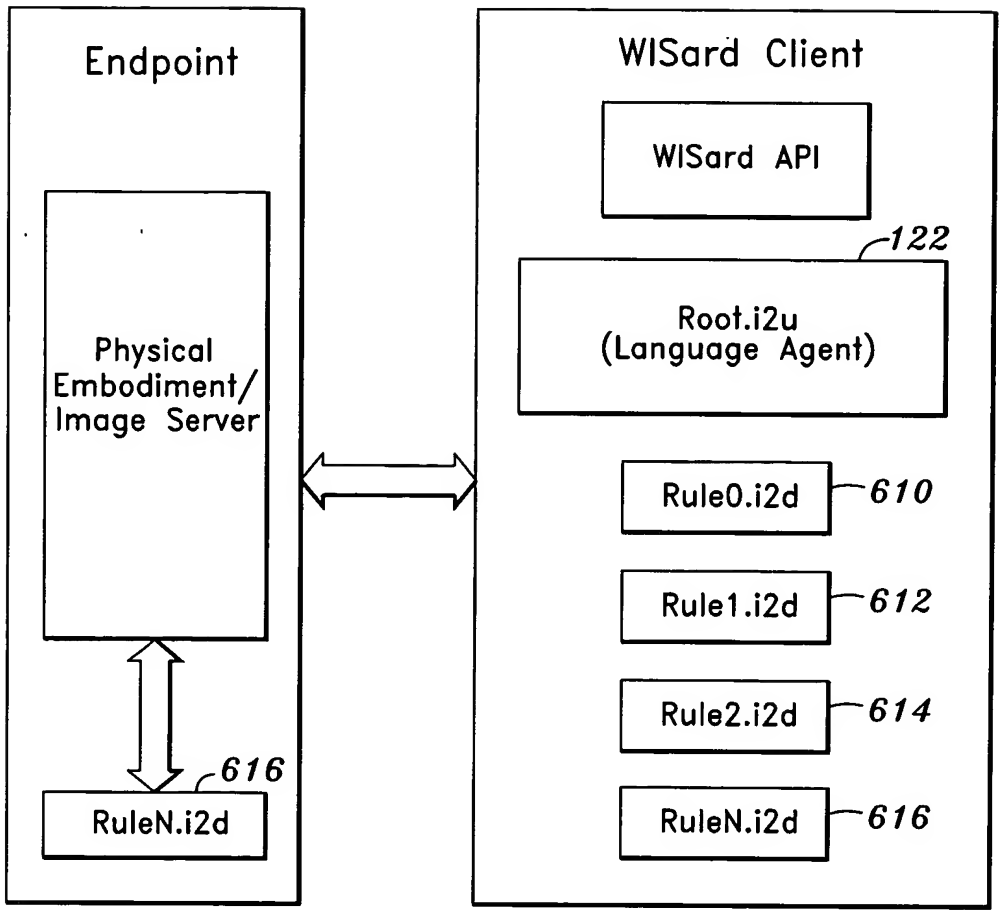

Endpoint
Physical Embodiment/ Image Server
RuleN.i2d
616
WISard Client
WISard API
122
Root.i2u (Language Agent)
Rule0.i2d
610
Rule1.i2d
612
Rule2.i2d
614
RuleN.i2d
616

FIG. 6

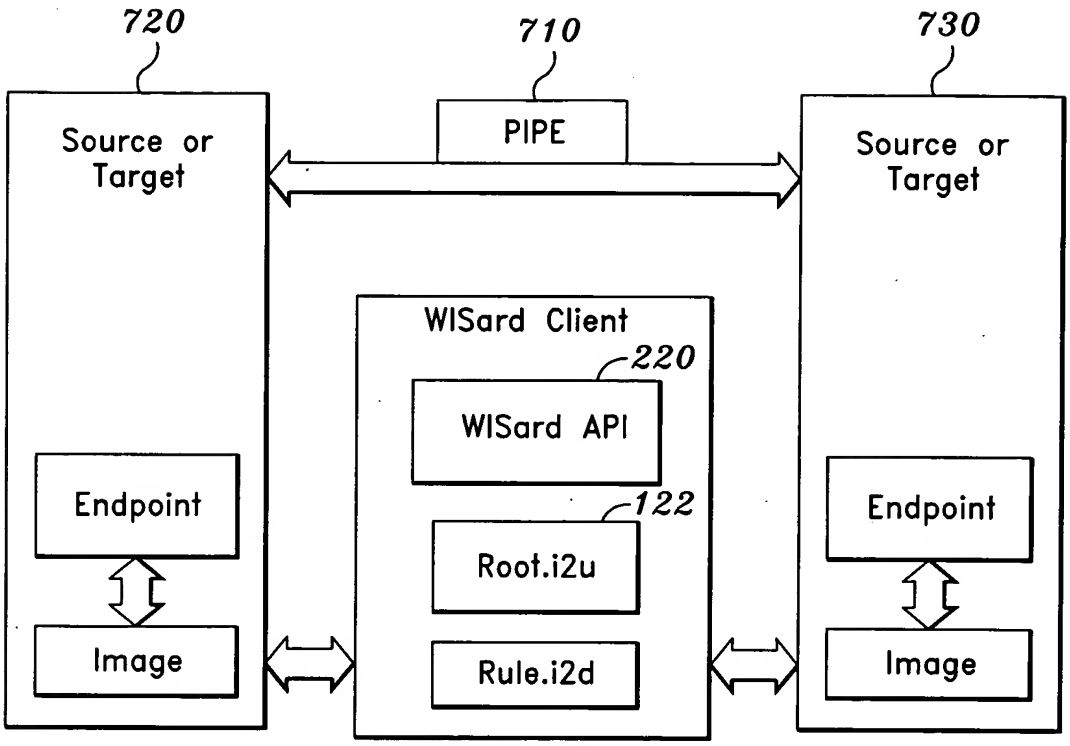

720
710
730
Source or Target
PIPE
Source or Target
WISard Client
220
WISard API
122
Root.i2u
Rule.i2d
Endpoint
Image
Endpoint
Image

FIG. 7

```
@echo off
REM ************************************************************************
REM Get functional script for reading from generic "gen" devices.
REM
REM (c) 2003 Wyse Technology
REM
REM Script "geti2d.bat" Begin
REM
REM Output: "get.i2d" Partition Type 2
REM
set gVERSION = "get.i2d Version 8.5"
REM
REM ************************************************************************

REM ****** Remove OLD archive
del get.i2d

REM ************************************************************************
REM Display GET version
set gVERSION > ver.msg
file2img ver.msg                                                archive/get.i2d         stream/con/ver.msg
del ver.msg
REM ************************************************************************
REM ****** Check for OVERLOAD
file2img ~if                    archive/get.i2d
file2img   "~<SRCLCLproto><SRCdevice>getOVL.i2d"            archive/get.i2d        "<SRCTMPproto><SRCTMPdevice>get.i2d"
file2img   "~archive/<SRCTMPproto><SRCTMPdevice>get.i2d"    archive/get.i2d
file2img ~else                  archive/get.i2d

REM ************************************************************************
REM Now we create an archive that creates an image for a drive
REM ************************************************************************
file2img ~encode                archive/get.i2d        "~archive/<ENCproto><ENCdevice><ENCimage>"
REM ************************************************************************
REM At extraction time, all syntax will be placed into the runtime class "<ENCproto><ENCdevice><ENCimage>"
REM ************************************************************************

REM ************************************************************************
REM Script "put.i2d" Generator Begin
REM ************************************************************************

REM ****** Remove OLD stuff

REM ****** Create messages
echo     NAND DRIVE 00                          > formatmsg.msg
echo     No REGISTRY found during RAPPORT restoration (atf) > fake.msg
```


FIG. 8a

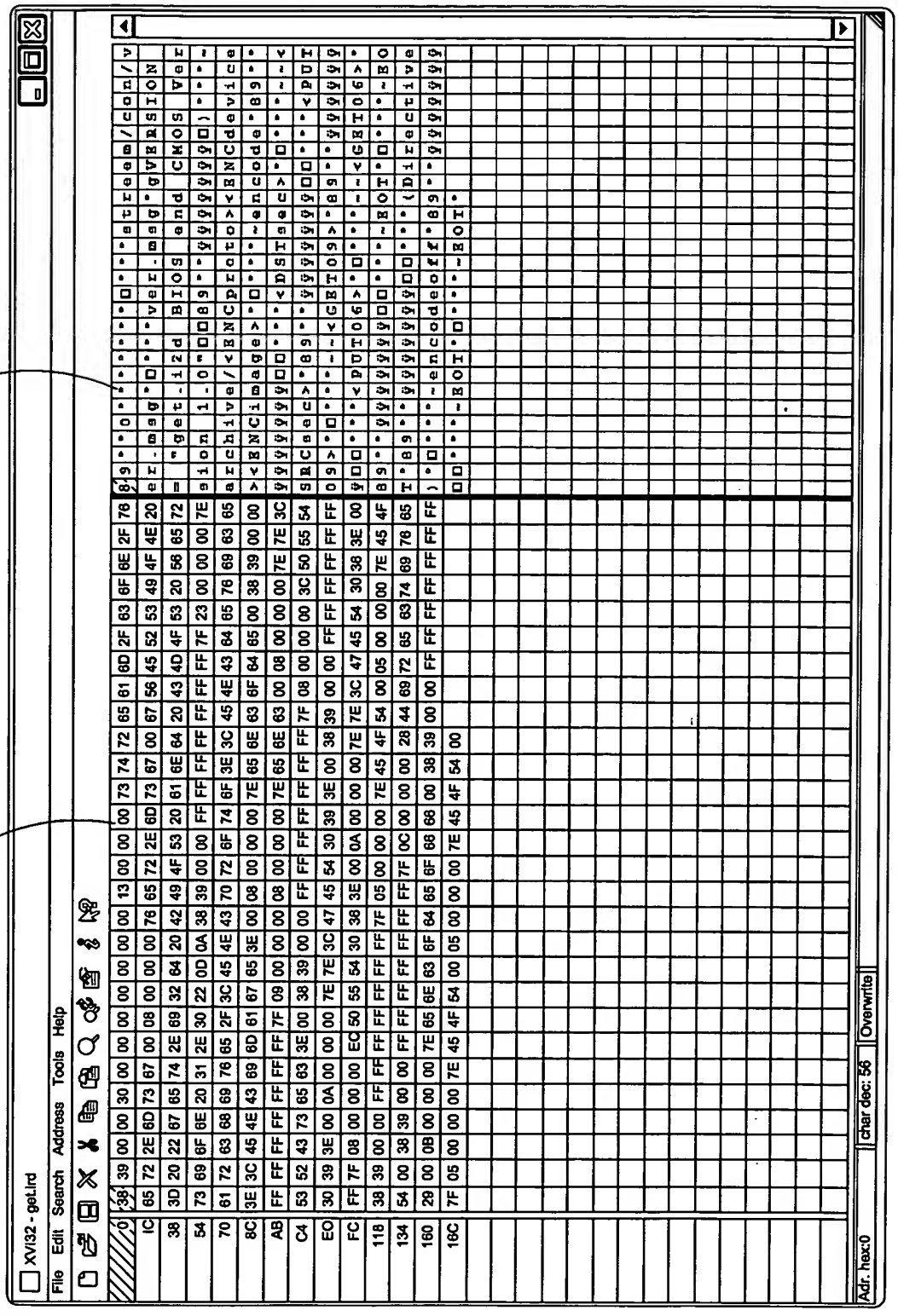
```
REM ************************************************************************

REM ************************************************************************
REM ****** Validate Security Key
file2img  "~~<SRCsec>"                              archive/get.i2d       "<DSTsec>"

REM ************************************************************************
REM ****** Specify type of test/perform test
file2img  "~~<SRCtest>"                               archive/get.i2d         "<DSTtest>"

REM ************************************************************************
REM ****** Check for hostname.arc and copy if there
file2img ~if          archive/get.i2d
file2img    "~<DSTLCLproto><DSTdevice>hostname.arc" archive/get.i2d       "<DSTTMPproto><DSTTMPdevice>hostname.arc"
file2img    ~if               archive/get.i2d
file2img       "~<DSTLCLproto><DSTdevice>wfacss.reg" archive/get.i2d       "<DSTTMPproto><DSTTMPdevice>wfacss.reg"
file2img    ~else                                   archive/get.i2d
file2img       fake.msg                                 archive/get.i2d       "<DSTTMPproto><DSTTMPdevice>wfacss.reg"
file2img    ~endif            archive/get.i2d
file2img    ~if               archive/get.i2d
file2img       "~<DSTLCLproto><DSTdevice>wfacss0.reg"      archive/get.i2d       "<DSTTMPproto><DSTTMPdevice>wfacss0.reg"
file2img    ~else                                   archive/get.i2d
file2img       fake.msg                                 archive/get.i2d       "<DSTTMPproto><DSTTMPdevice>wfacss0.reg"
file2img    ~endif            archive/get.i2d
file2img ~endif               archive/get.i2d

REM ************************************************************************
REM ****** Netxfer Model for Archive Creation
REM ****** Copy NOR FLASH
file2img   "~~<GET09>"                        archive/get.i2d         "<PUT09>"
REM ****** Copy CMOS FLASH
file2img   "~~<GET06>"                        archive/get.i2d         "<PUT06>"
REM ****** Signal Event Format
file2img   "~~<GET01>"                        archive/get.i2d       "<PUT01>"
REM ****** Copy Allocation/MBR Data
file2img   "~~<GET07>"                        archive/get.i2d         "<PUT07>"
REM ****** Partition FIX
file2img   "~~<GET03>"                 archive/get.i2d         "<PUT03>"
REM ****** Copy Partition IMAGE
file2img   "~~<GET08>"                 archive/get.i2d         "<PUT08>"
REM ****** Partition FIX
file2img   "~~<GET03>"                 archive/get.i2d         "<PUT03>"
REM ****** Partition FIX
file2img   "~~<GET04>"                        archive/get.i2d         "<PUT04>"
REM ****** Copy VERSIONS
file2img   "~~<GET05>"                 archive/get.i2d         "<PUT05>"

REM ************************************************************************
REM ****** RESTORE hostname.arc if there
file2img ~if          archive/get.i2d
file2img    "~<DSTTMPproto><DSTTMPdevice>hostname.arc"  archive/get.i2d    "<DSTLCLproto><DSTdevice>hostname.arc"
file2img    ~if               archive/get.i2d
file2img      "~<DSTTMPproto><DSTTMPdevice>wfacss.reg"      archive/get.i2d       "<DSTLCLproto><DSTdevice>wfacss.reg"
file2img    ~endif            archive/get.i2d
file2img    ~if               archive/get.i2d
file2img      "~<DSTTMPproto><DSTTMPdevice>wfacss0.reg" archive/get.i2d    "<DSTLCLproto><DSTdevice>wfacss0.reg"
file2img    ~endif            archive/get.i2d
file2img ~endif               archive/get.i2d
```


FIG. 8b

```
REM ************************************************************************
REM ****** Mark End of Transfer (give control back to calling script)

file2img ~EOT          archive/get.i2d        ~EOT

REM ************************************************************************

REM ****** Cleanup
del formatmsg.msg
del fake.msg
set gVERSION=

REM ************************************************************************
REM Script "putgeni2d.bat" End
REM ************************************************************************

REM ************************************************************************
file2img ~encodeoff           archive/get.i2d
REM ************************************************************************

REM ****** Undo Class-overload test
file2img ~endif               archive/get.i2d

REM ****** Mark End of Transfer (give control back to calling script)
file2img ~EOT          archive/get.i2d        ~EOT

REM ************************************************************************

REM ************************************************************************
REM Script "getgeni2d.bat" Generator End
REM ************************************************************************
```

FIG. 8c

FIG. 9


910
920
XVI32 - getJrd
File Edit Search Address Tools Help
Adr. hex:0
char dec: 56
Overwrite